IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:) Art Unit: 3632
Serial No. 09/920,924 PADEN	Our Ref. 44374.5.1
Filed: August 2, 2001	I hereby certify that this correspondence is being: [x] deposited with the United States Postal Service as first-
For: METHODS AND APPARATUS FO GENERATING FORCE AND TOR	, , , , , , , , , , , , , , , , , , , ,
To: Assistant Commissioner for Patents Washington, D.C. 20231	on this May 2002 By Stacy Bickel

FORMAL DRAWINGS

SIR:

Transmitted herewith for filing in the above-identified patent application are sixty-eight (68) sheets of formal drawings to replace the corresponding informal drawings which were submitted with the patent application.

Respectfully submitted,

Dated: 7-MA7-2002

Allen W. Groenke Registration No. 42,608 Fredrikson & Byron, P.A. 1100 International Centre 900 Second Ave. So. Minneapolis, MN 55402-3397 (612) 752-2640

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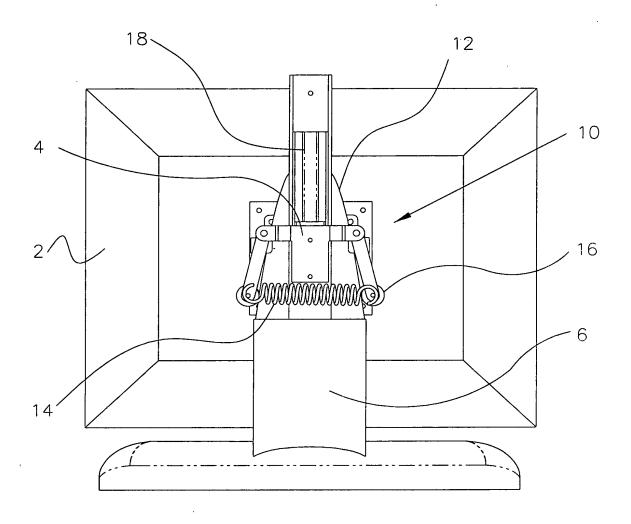


FIG. 1A



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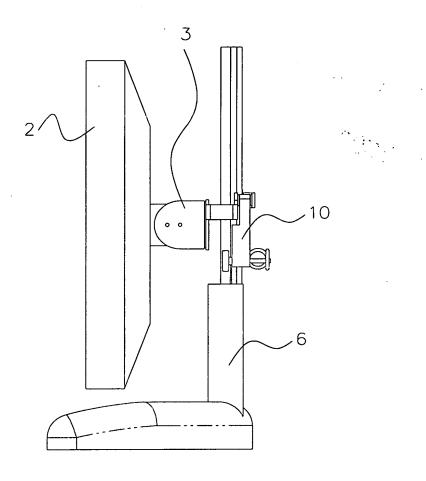


FIG. 1B



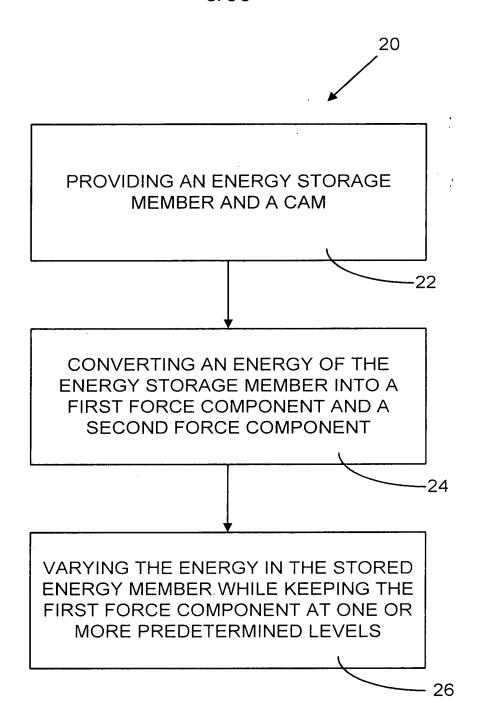
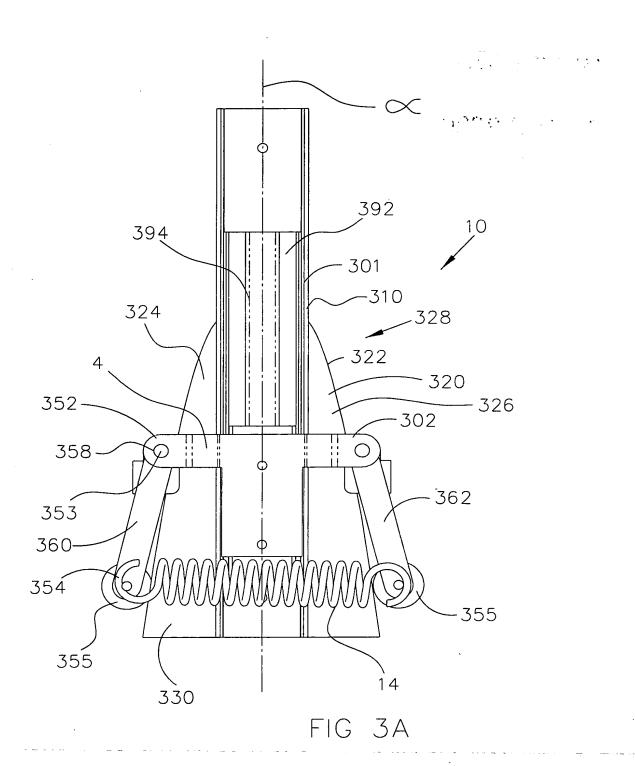


FIG. 2



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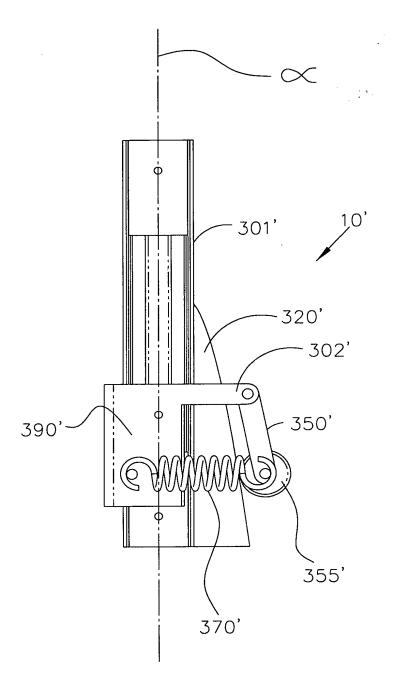
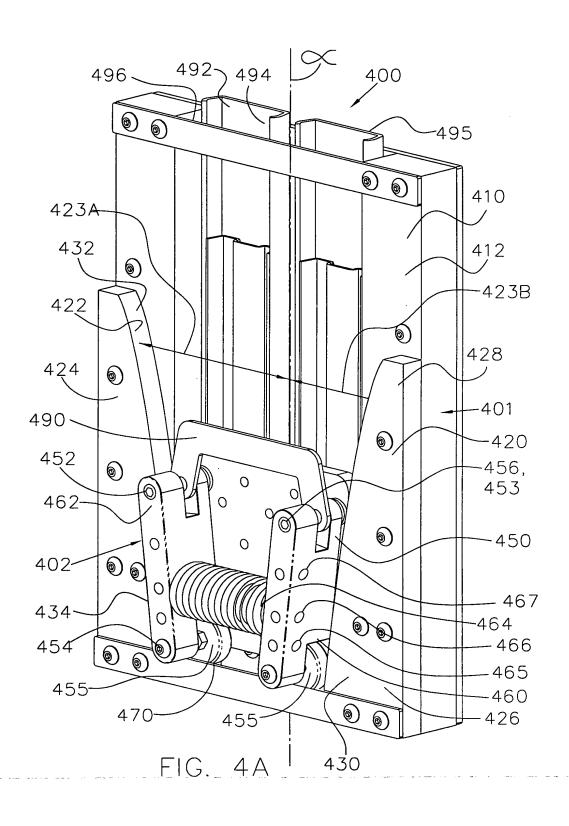
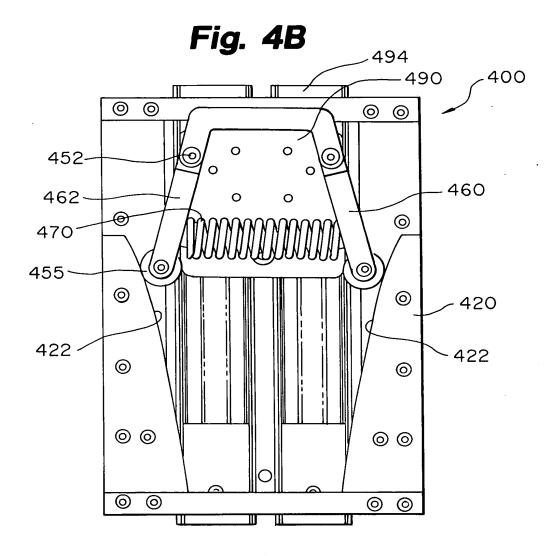


FIG. 3B

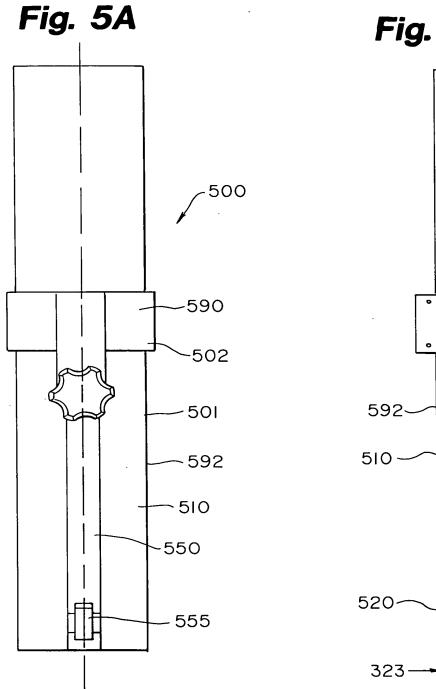


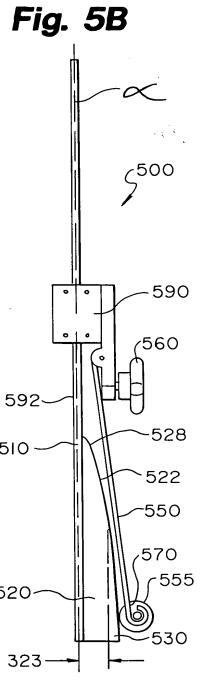




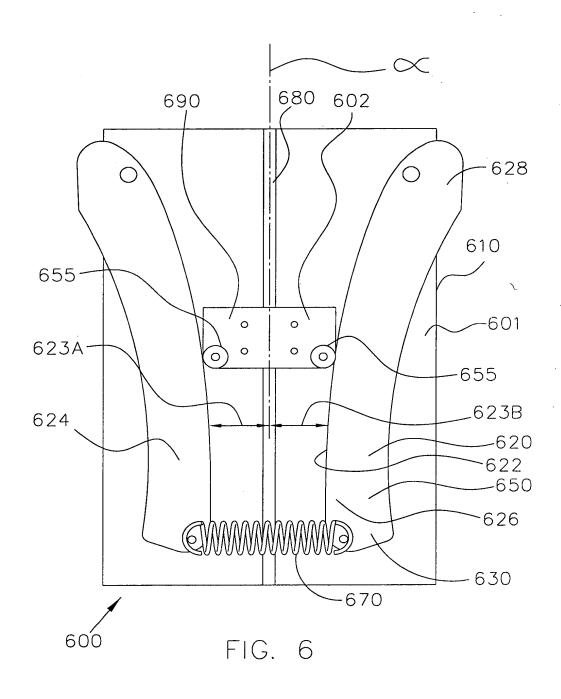














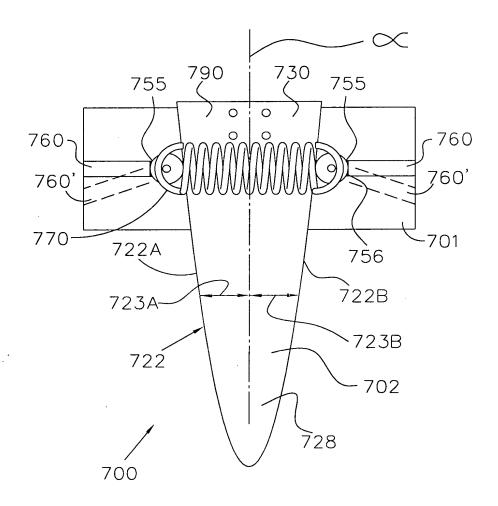


FIG. 7



Fig. 8A

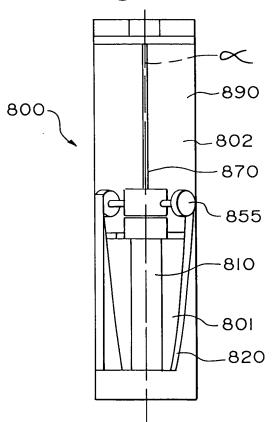
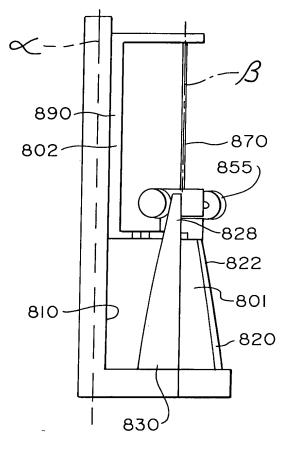
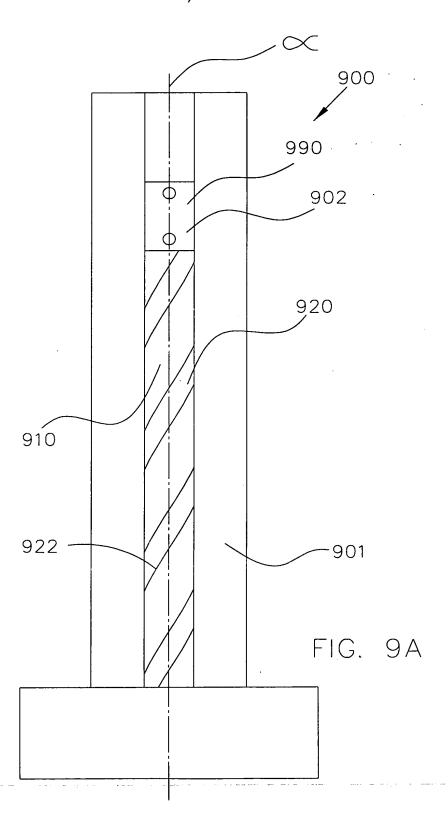




Fig. 8B









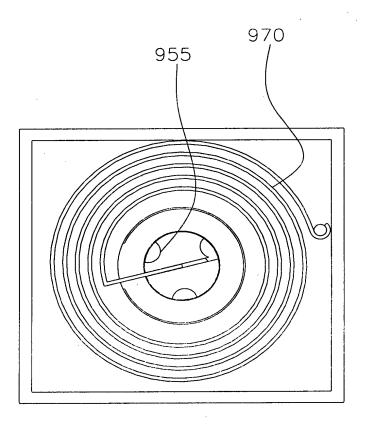
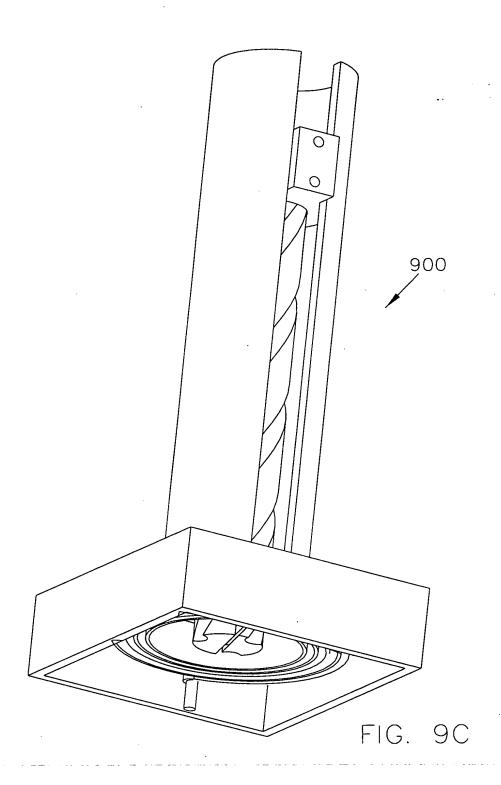


FIG. 9B







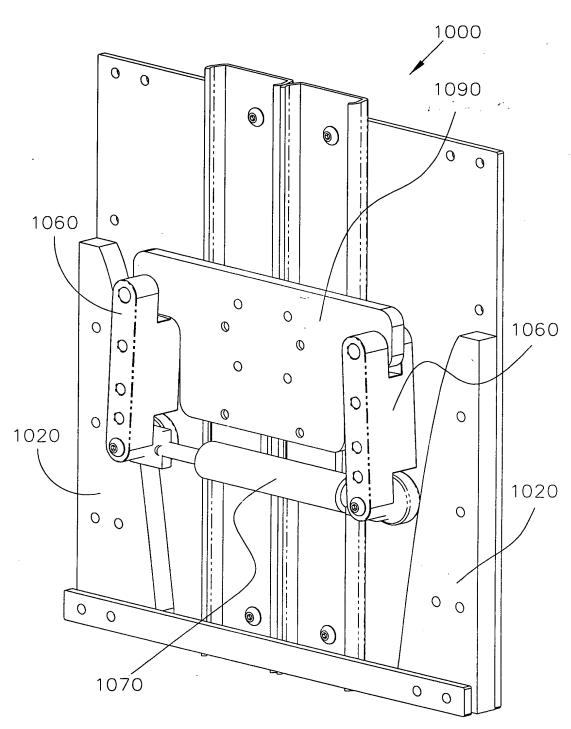
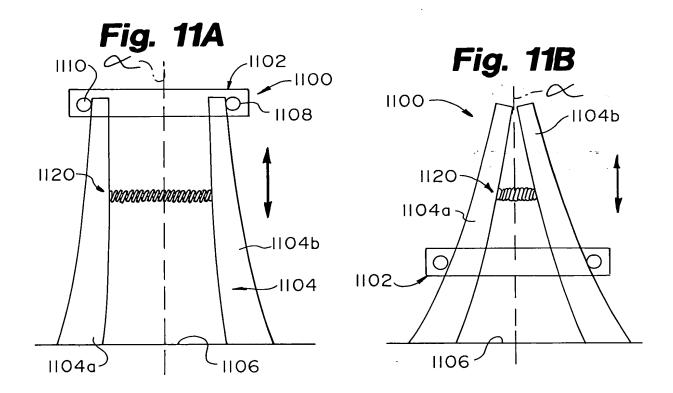
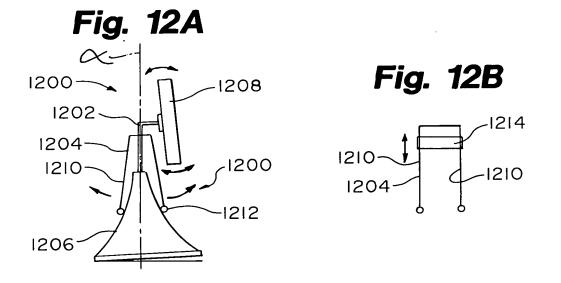


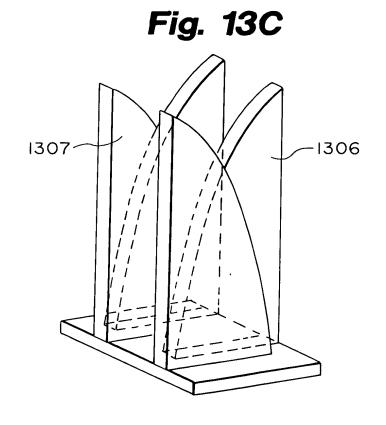
FIG. 10







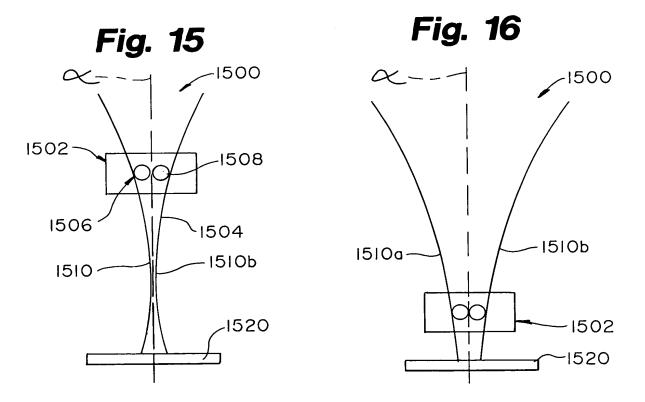




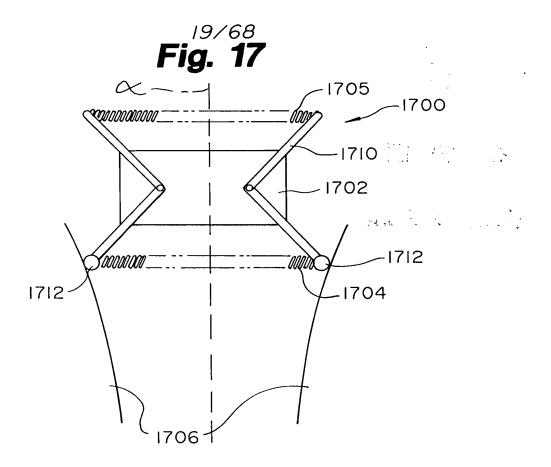


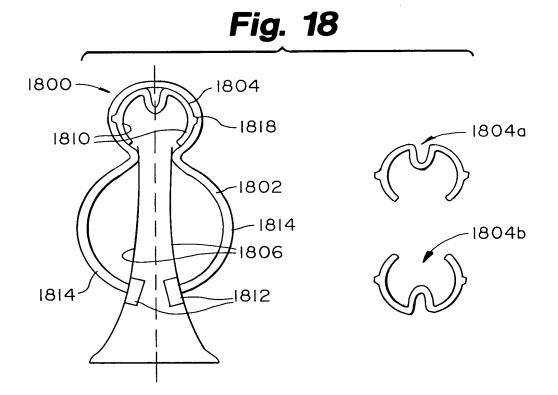
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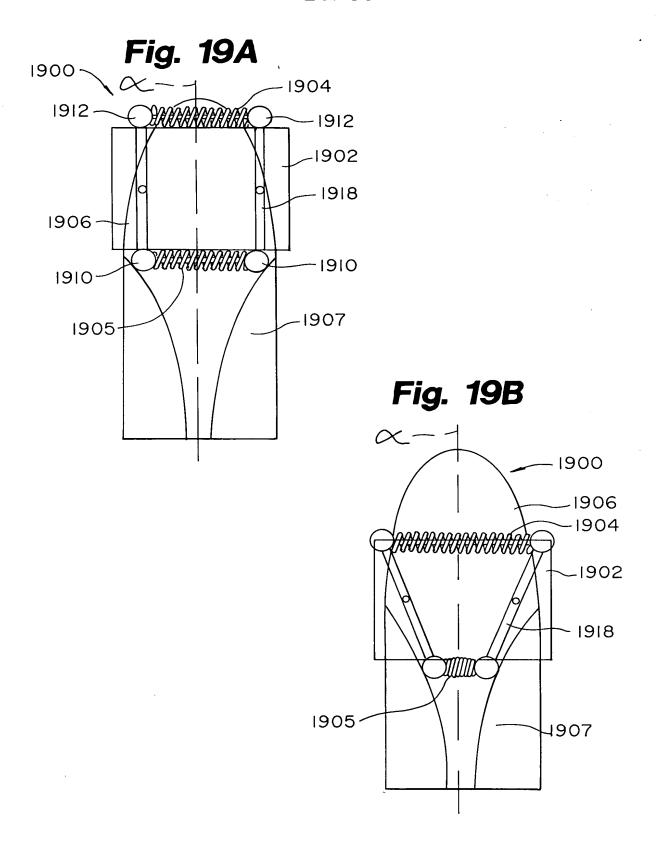




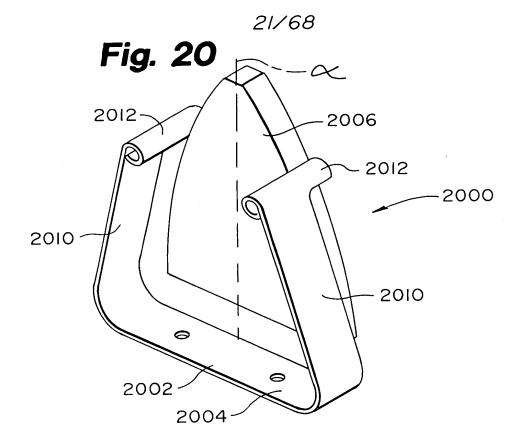


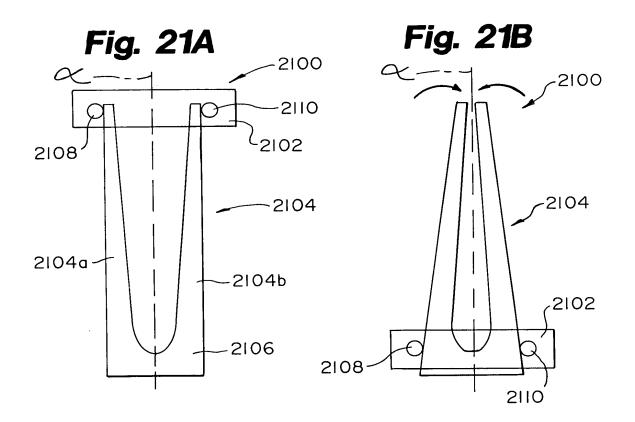














22/68 **Fig. 22A**

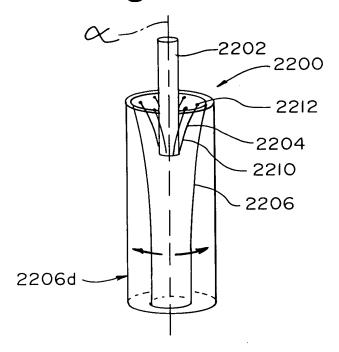


Fig. 22B

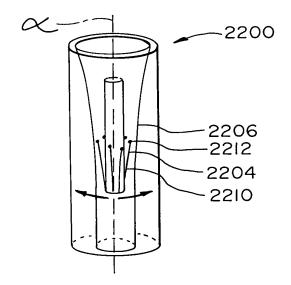




Fig. 23A

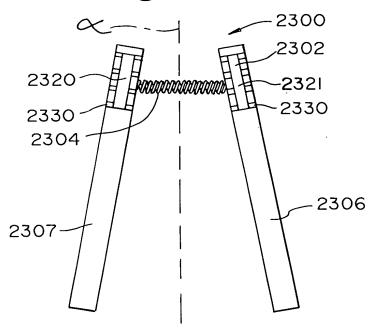
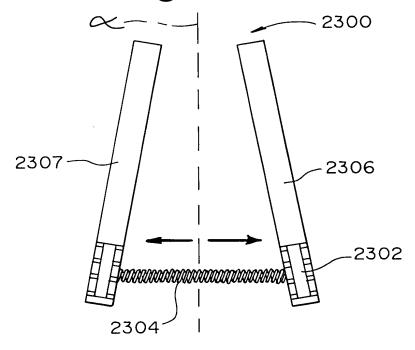
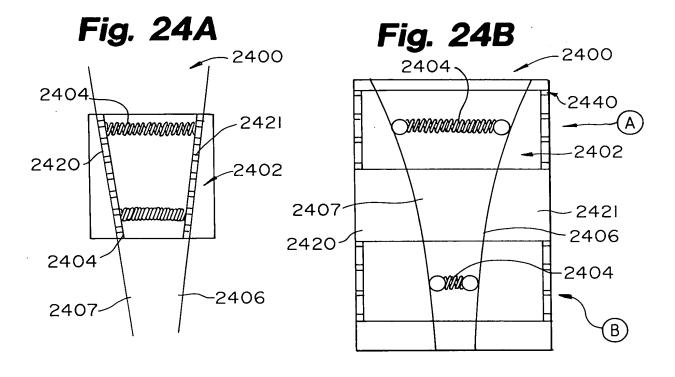
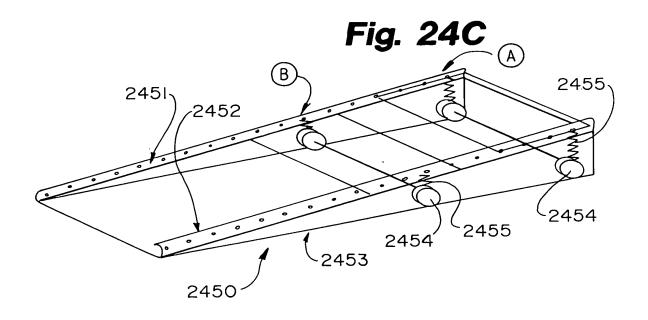


Fig. 23B

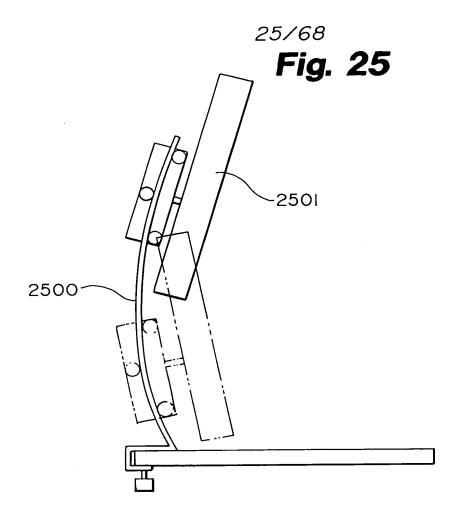












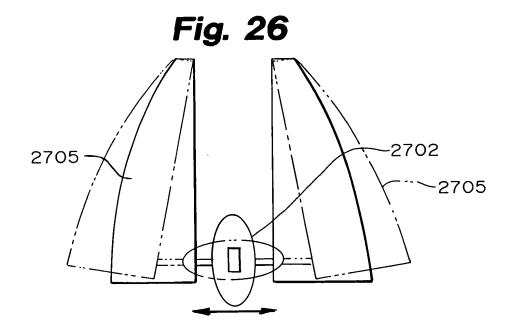
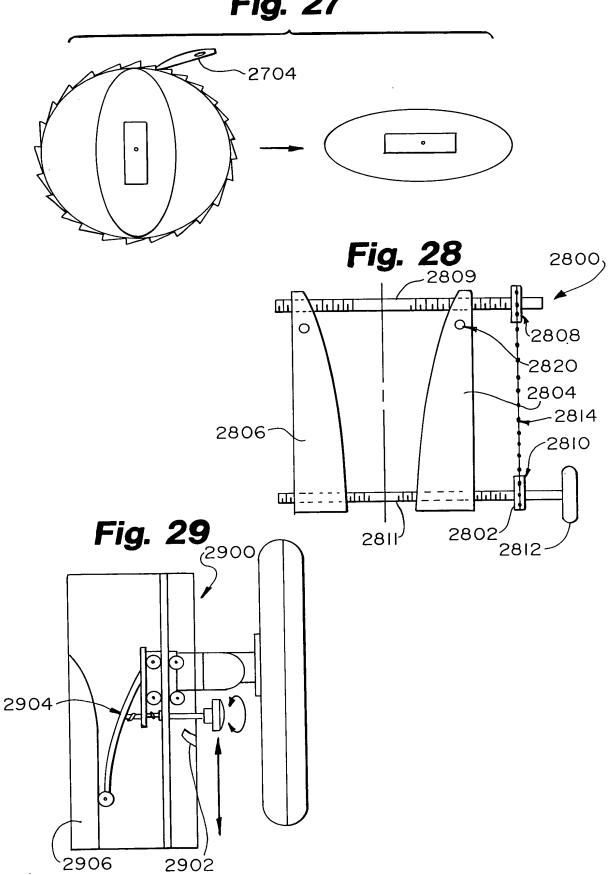
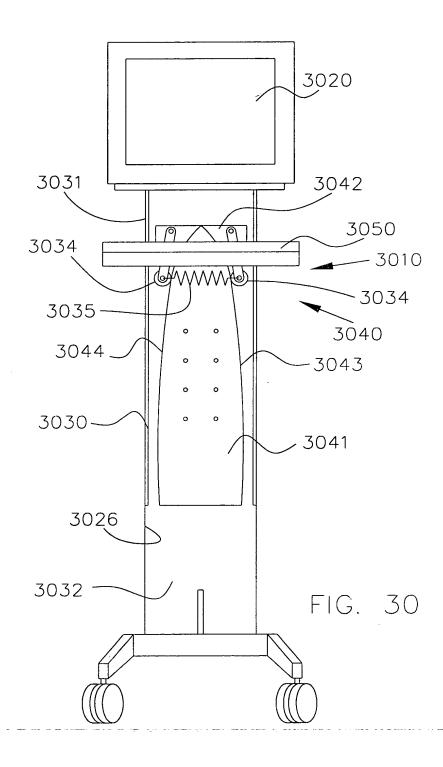




Fig. 27









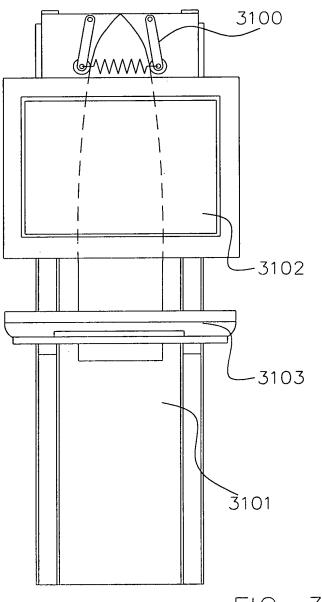
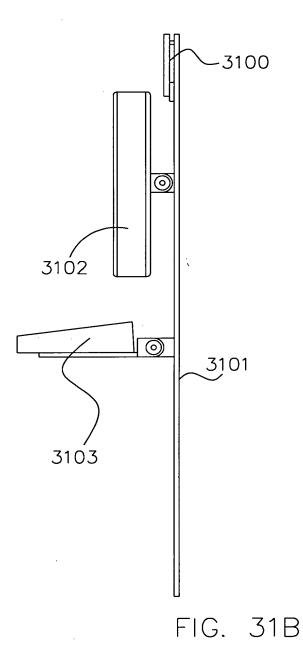


FIG. 31A







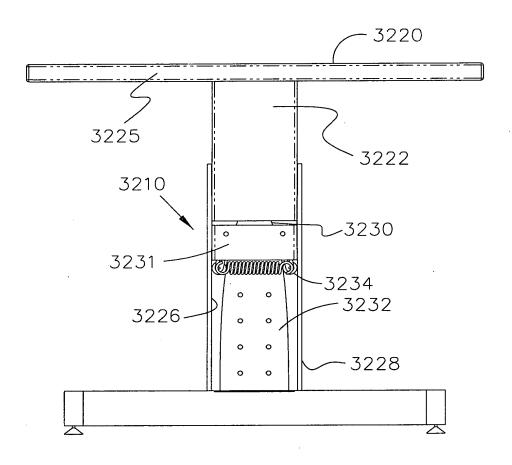
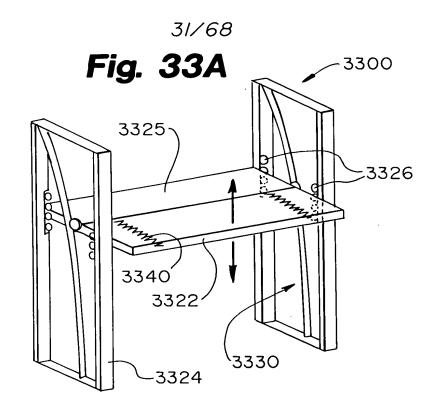
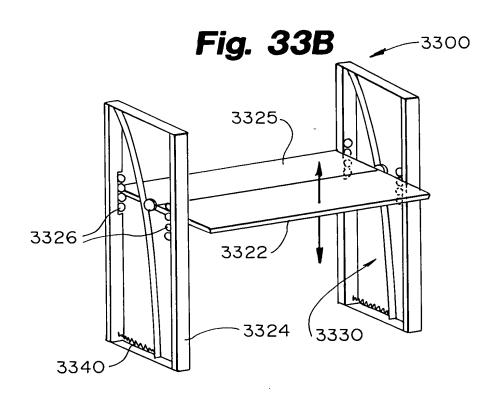


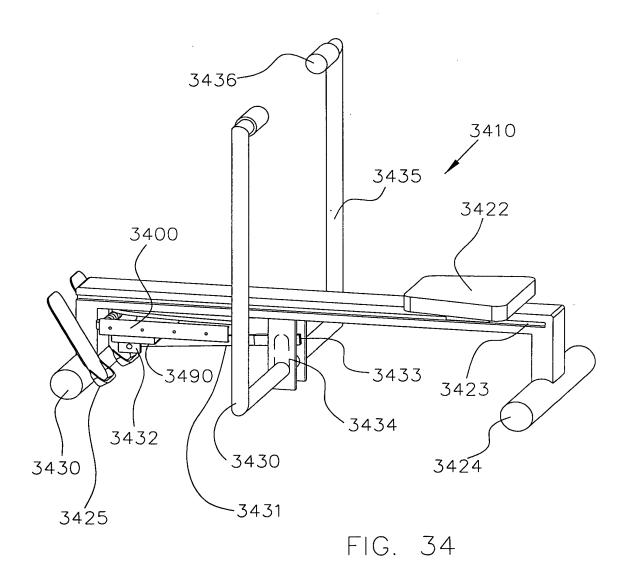
FIG. 32













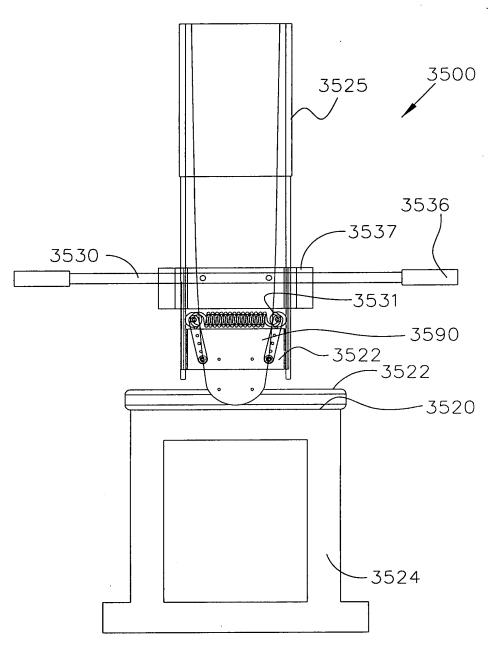
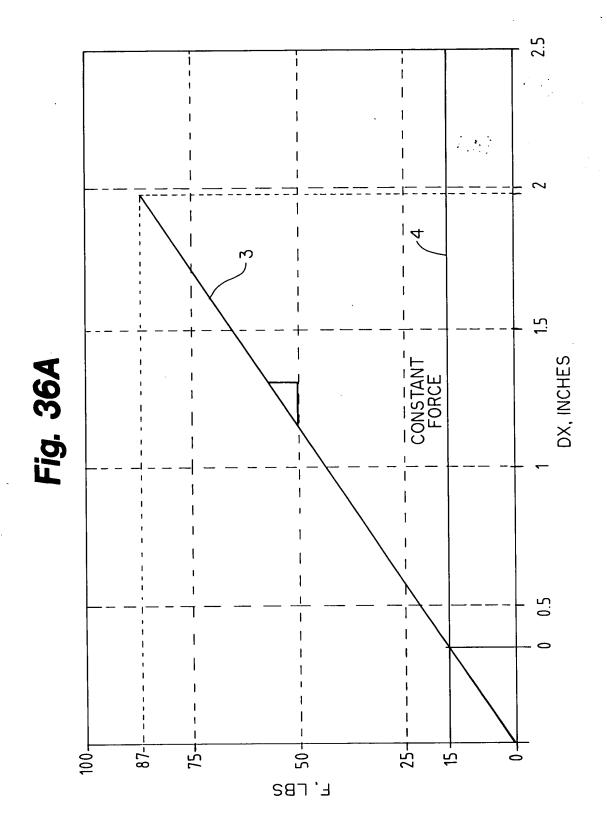
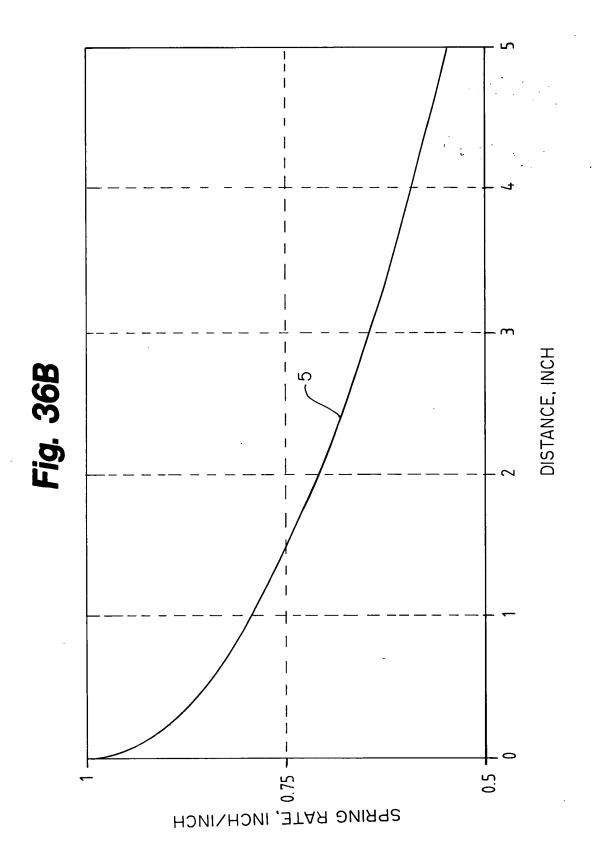


FIG. 35

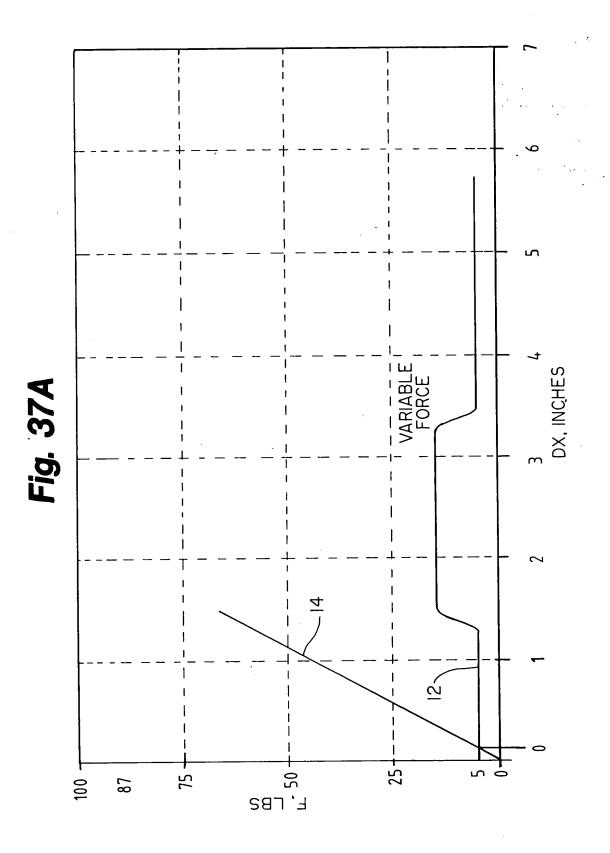




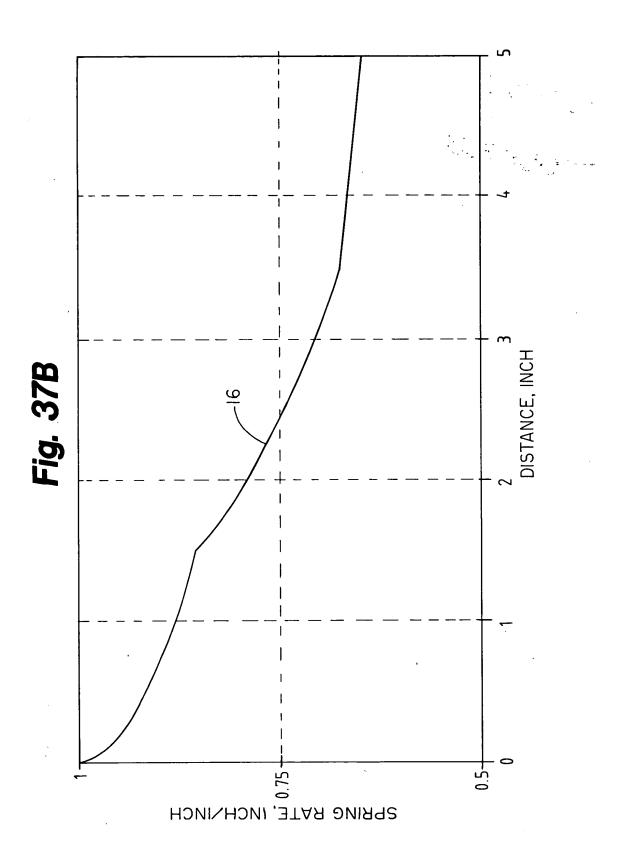














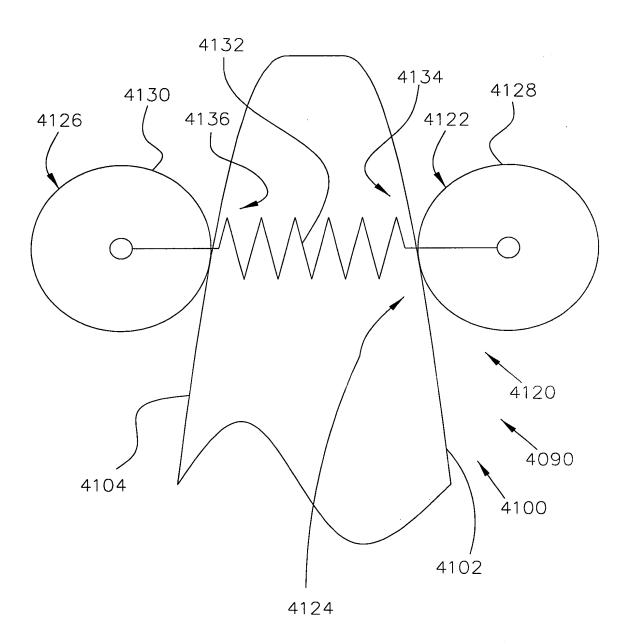


FIG. 38



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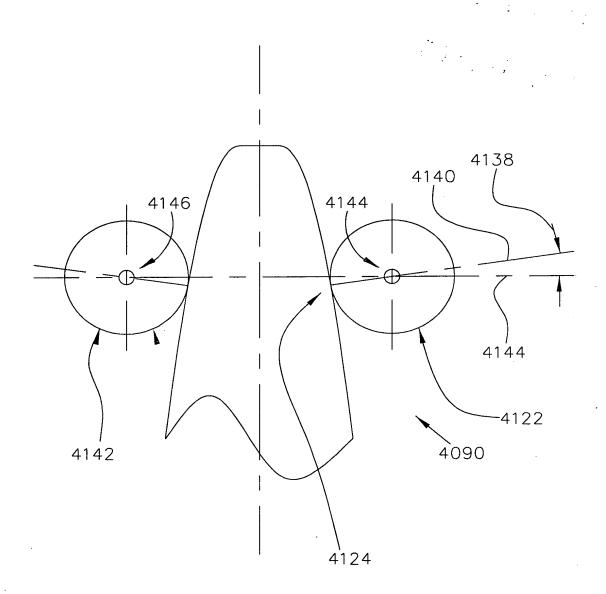


FIG. 39



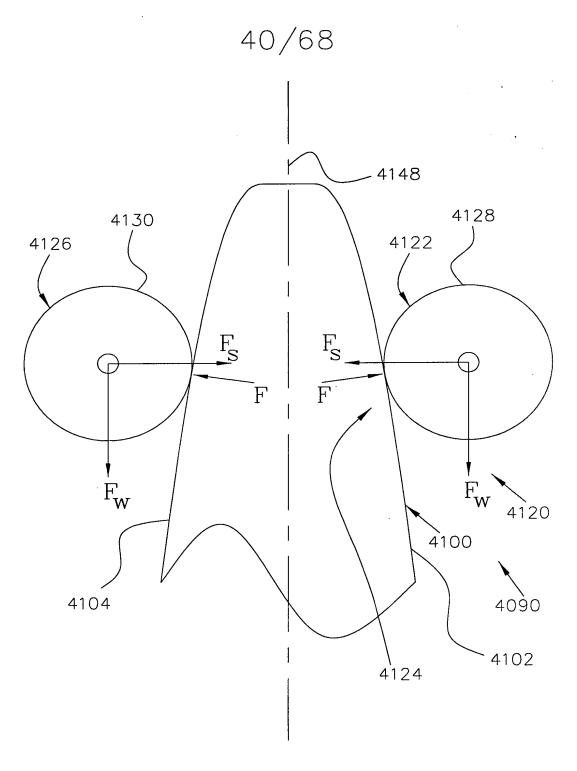


FIG. 40



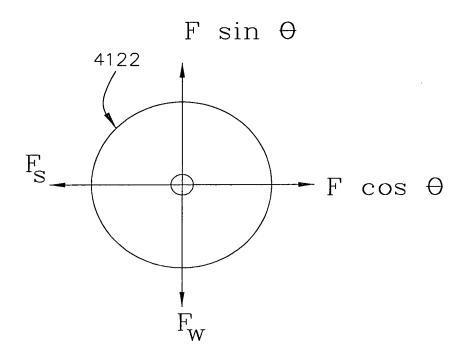
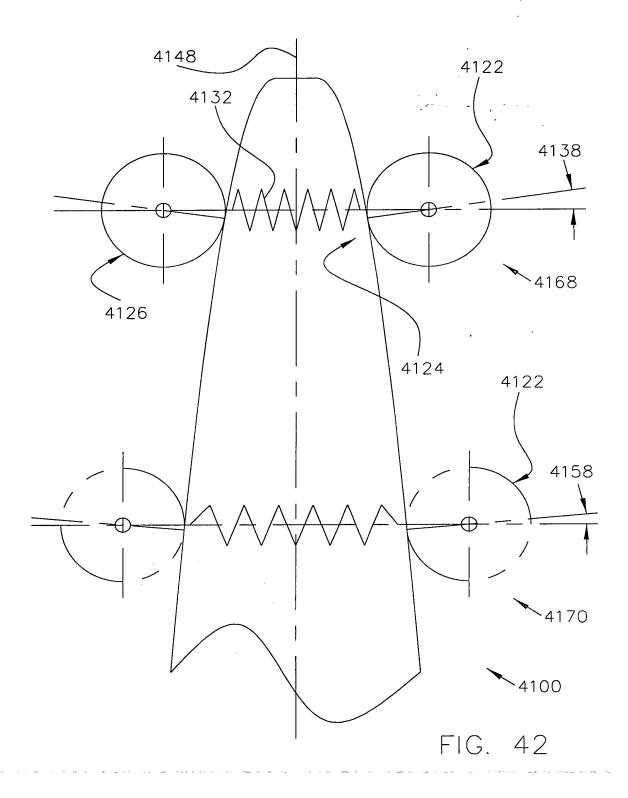
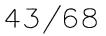


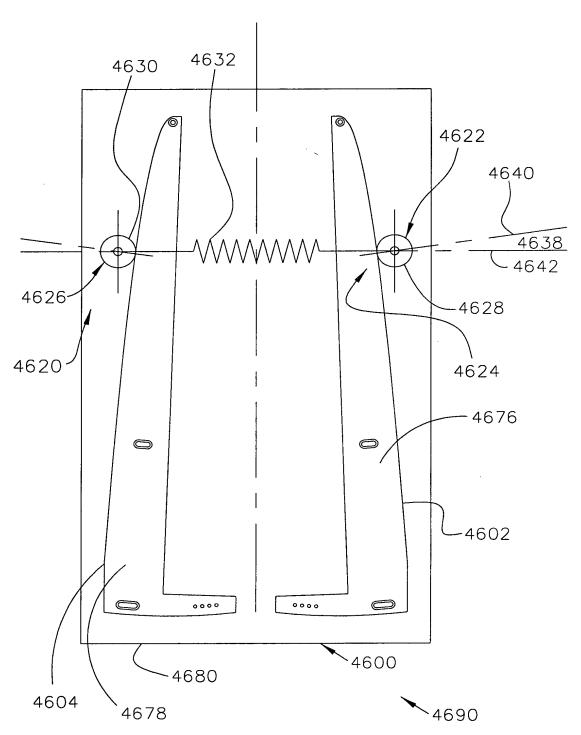
FIG. 41





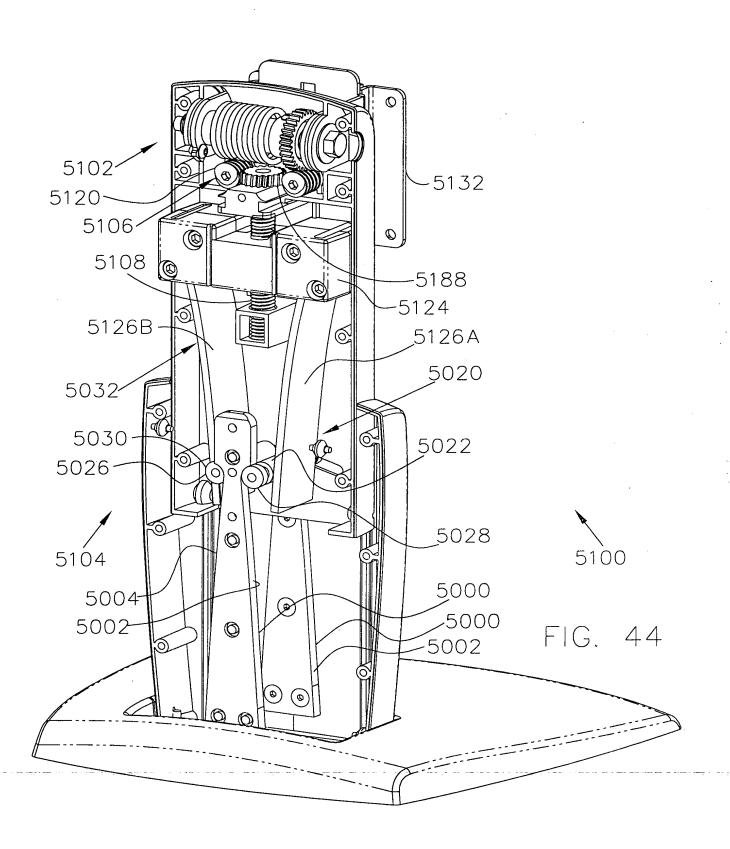






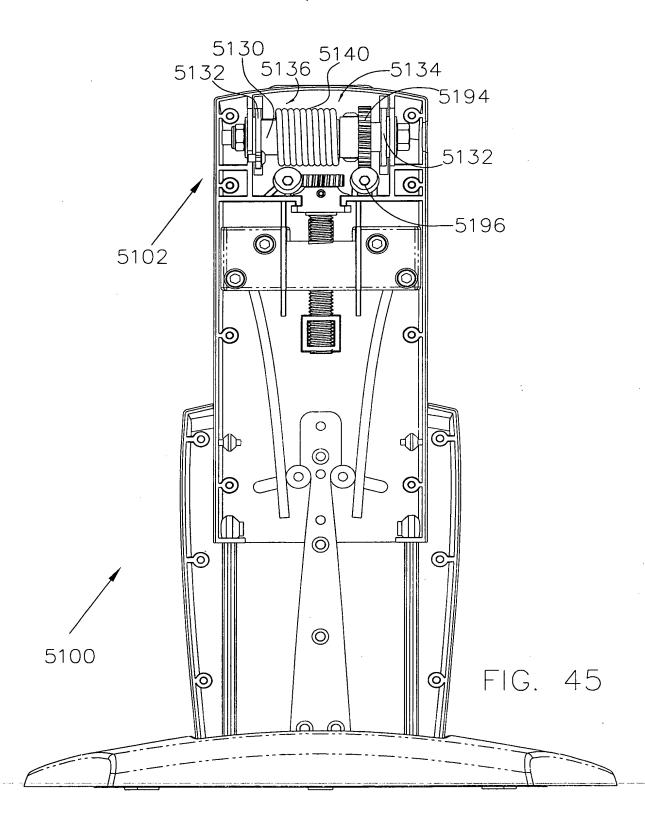
--FIG. --4.3. --







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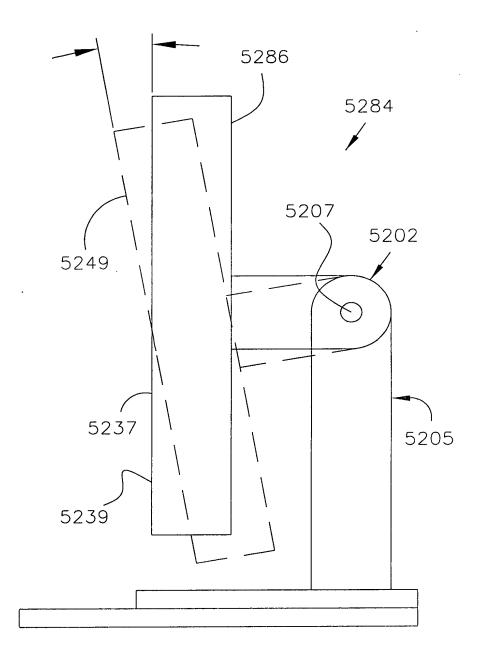


FIG. 46



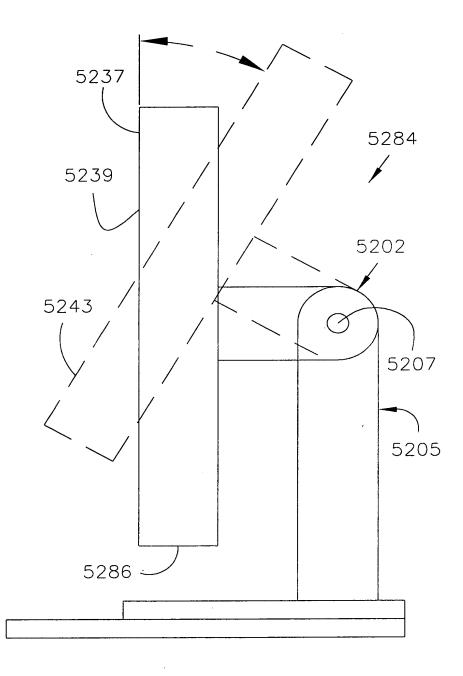
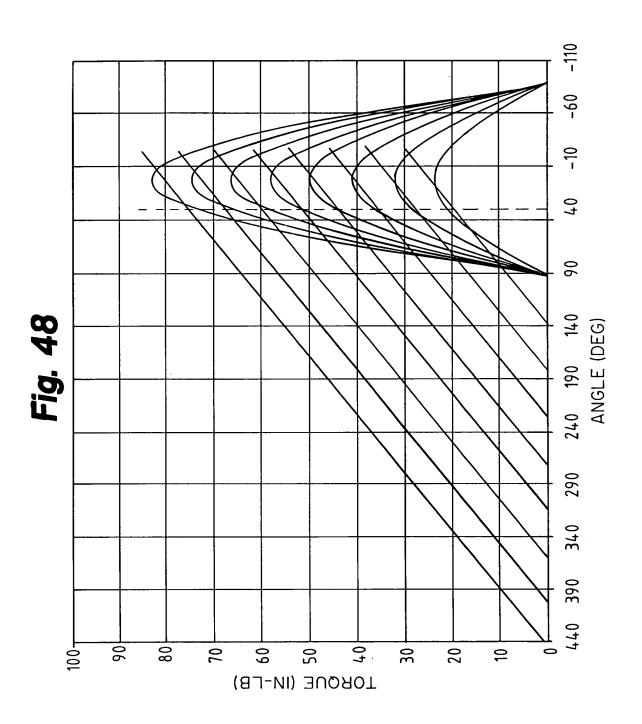
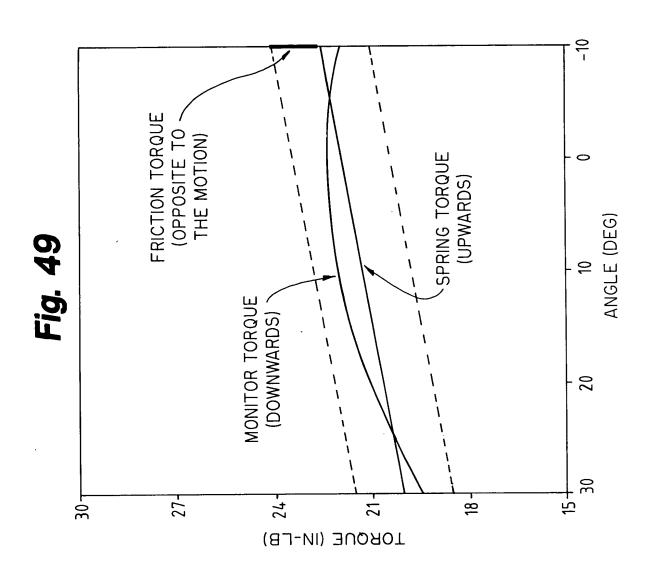


FIG. 47

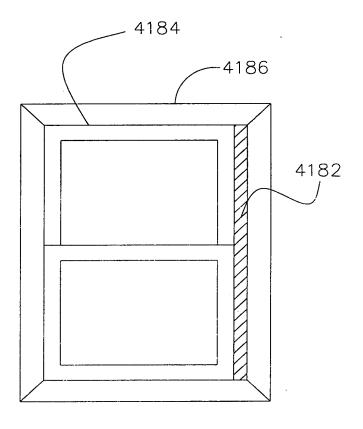














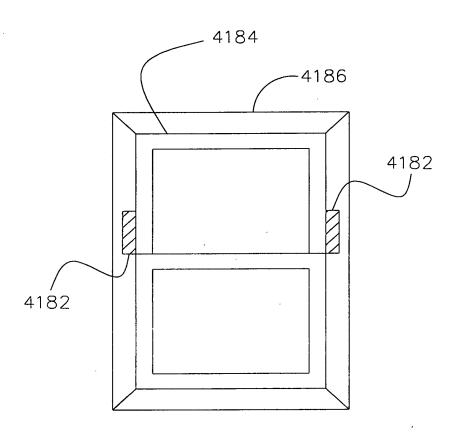


FIG. 50B

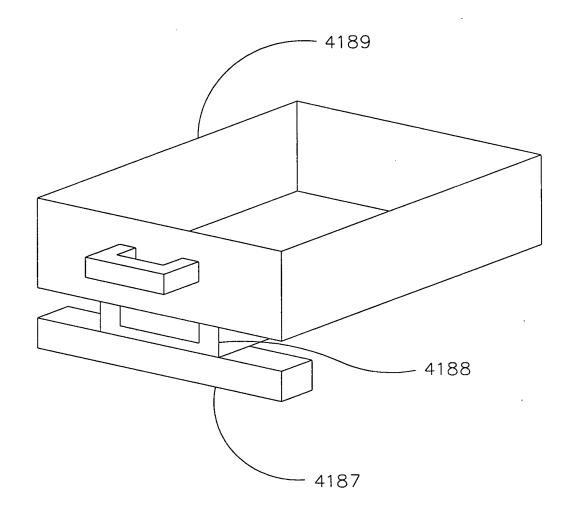


FIG. 51A



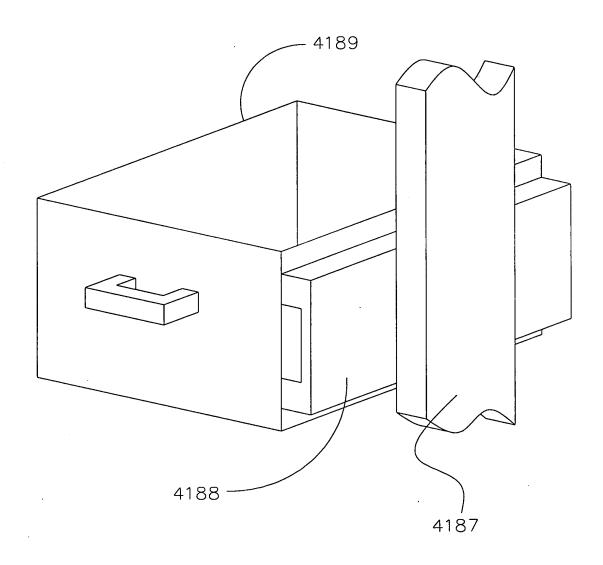


FIG. 51B



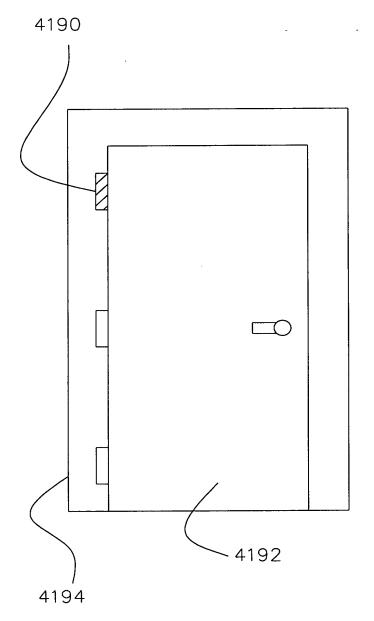


FIG. 52A



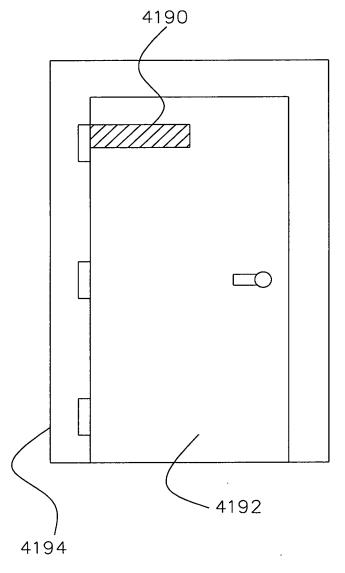


FIG. 52B



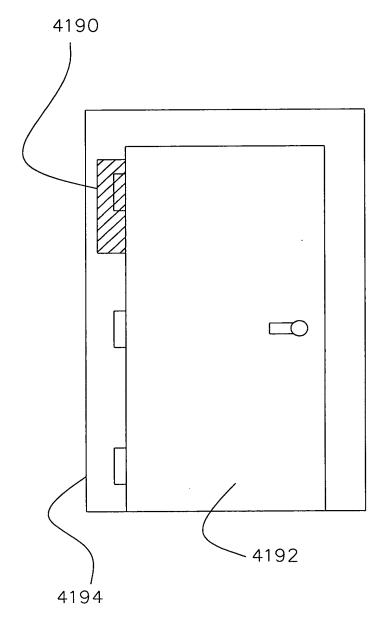


FIG. 52C



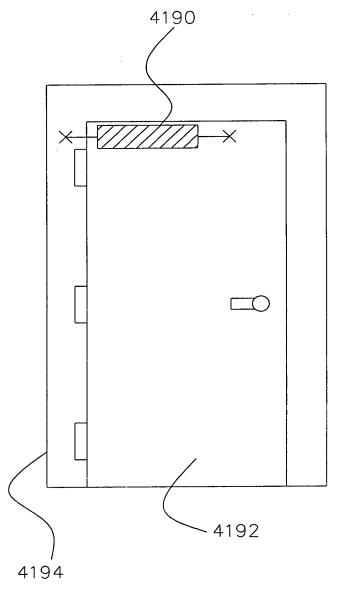


FIG. 52D



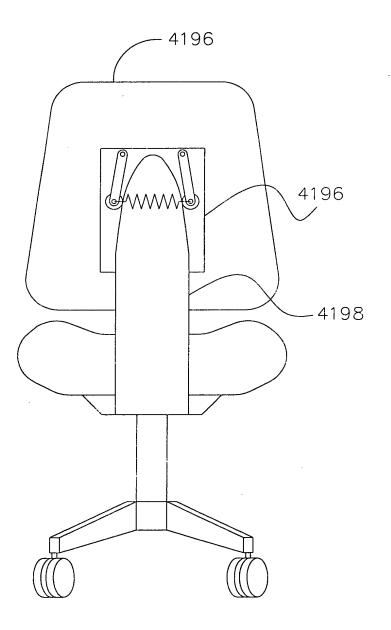


FIG. 53



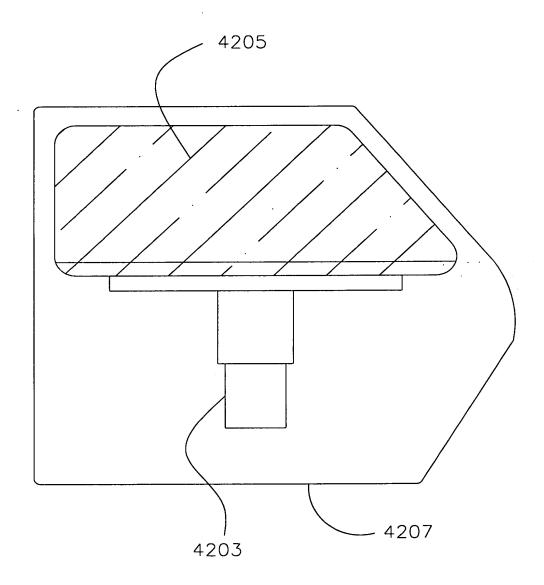


FIG. 54



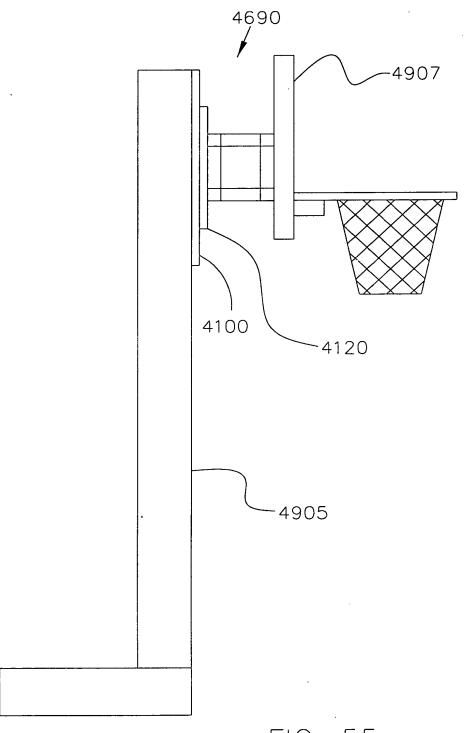


FIG. 55



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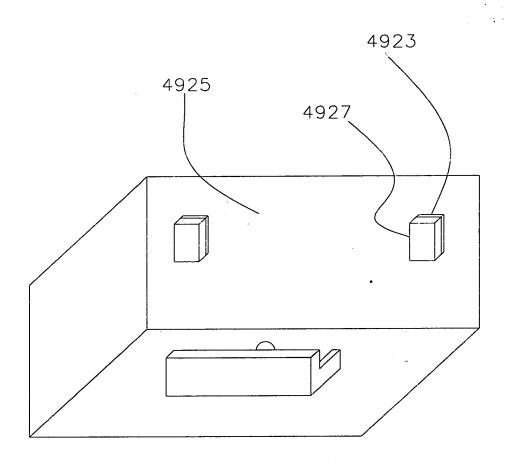


FIG. 56



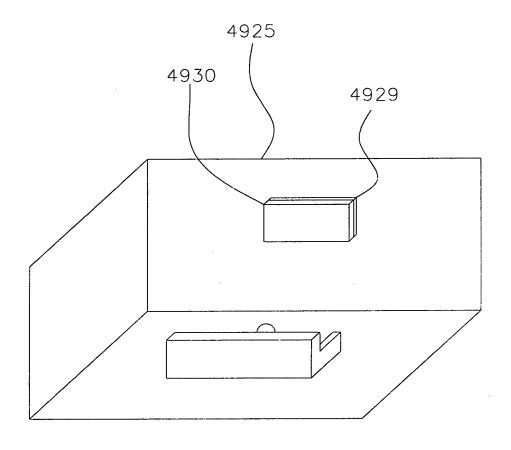


FIG. 57



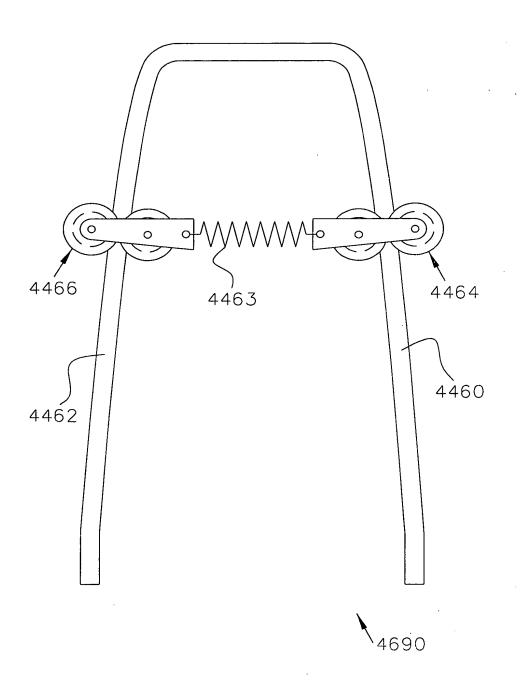
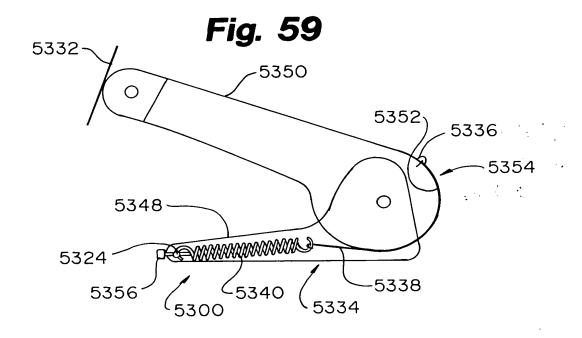
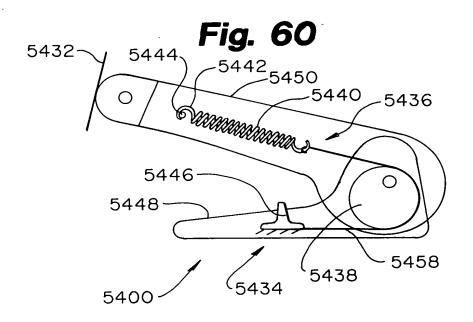


FIG. 58









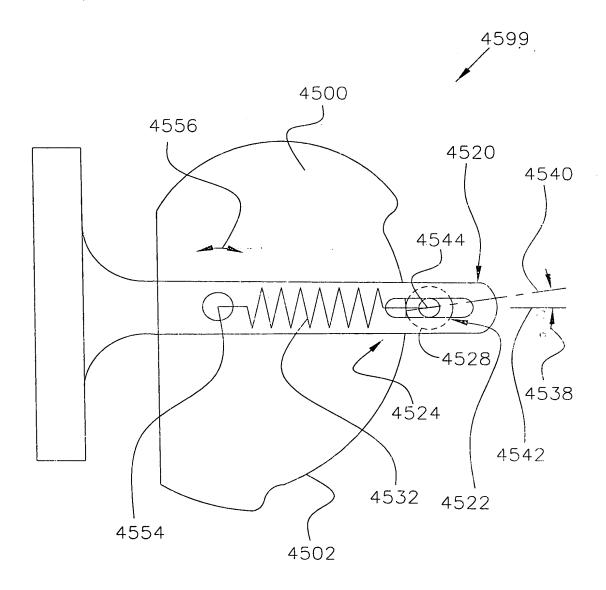


FIG. 61



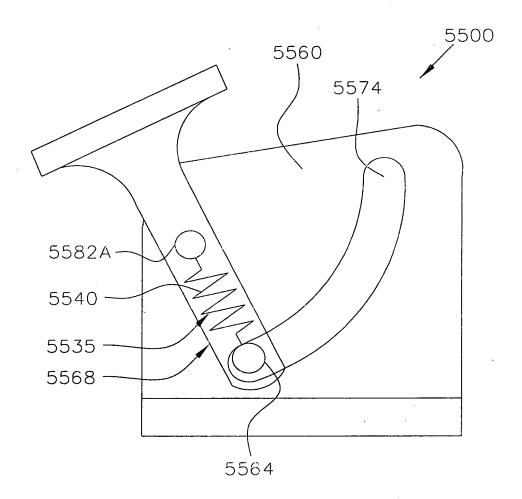


FIG. 62



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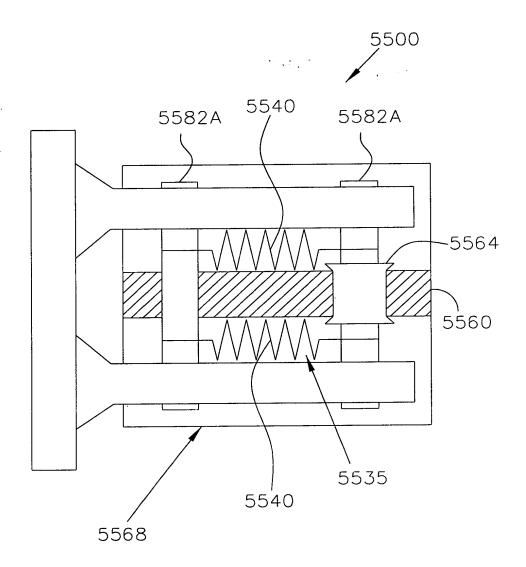


FIG. 63



